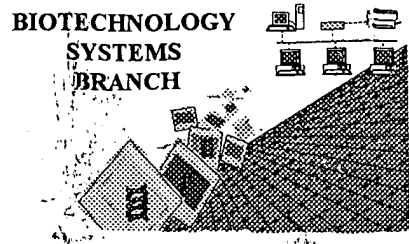


Mark
Park

MATCH & RETURN

#59



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/701,588A
Source: 1600 RUSH
Date Processed by STIC: 9/26/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/701,588A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics
Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☒ Misaligned Amino
Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ Variable Length
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ PatentIn 2.0
"bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ Skipped Sequences
(OLD RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ Skipped Sequences
(NEW RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 ☐ Use of n's or Xaa's
(NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 ☐ Invalid <213>
Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☐ Use of <220>
Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ PatentIn 2.0
"bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

#9



1600

RAW SEQUENCE LISTING

DATE: 09/26/2002

PATENT APPLICATION: US/09/701,588A

TIME: 10:49:12

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

pg 1-7
Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: UNITED BIOMEDICAL INC., ET AL.

7 (ii) TITLE OF INVENTION: ARTIFICIAL T HELPER CELL

8 EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC

9 PEPTIDE IMMUNOGENS

11 (iii) NUMBER OF SEQUENCES: 151

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Morgan & Finnegan, L.L.P.

15 (B) STREET: 345 Park Avenue

16 (C) CITY: New York

17 (D) STATE: NY

18 (E) COUNTRY: USA

19 (F) ZIP: 10154-0054

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk

23 (B) COMPUTER: IBM PC compatible

24 (C) OPERATING SYSTEM: PC Windows

25 (D) SOFTWARE: Word 97

27 (vi) CURRENT APPLICATION DATA:

28 (A) APPLICATION NUMBER: US/09/701,588A

29 (B) FILING DATE: 21-Jun-1999

30 (C) CLASSIFICATION:

32 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: 09/100,414

34 (B) FILING DATE: 20-JUNE-1998

36 (viii) ATTORNEY/AGENT INFORMATION:

37 (A) NAME: Maria H. Lin

38 (B) REGISTRATION NUMBER: 29,323

39 (C) REFERENCE/DOCKET NUMBER: 1151-4158PC1

41 (ix) TELECOMMUNICATION INFORMATION:

42 (A) TELEPHONE: 212-758-4800

43 (B) TELEFAX: 212-751-6849

ERRORED SEQUENCES

93 (2) INFORMATION FOR SEQ ID NO: 4:

94 (i) SEQUENCE CHARACTERISTICS:

95 (A) LENGTH: 16 amino acids

96 (B) TYPE: amino acid

97 (D) TOPOLOGY: LINEAR

98 (ii) MOLECULE TYPE: peptide

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/701,588A

DATE: 09/26/2002
TIME: 10:49:12

Input Set : A:\PTO.txt
Output Set: N:\CRF4\09262002\I701588A.raw

101 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
103 Asp Val Ser Asp Val Lys Gly Val Val Val His Lys
104 1 5 10
105 Val Asp Gly Val

E--> 106 ~~15~~ 15

*misaligned amino acid nos. - see item 3
on Enon summary
sheet*

124 (2) INFORMATION FOR SEQ ID NO: 6:
126 (i) SEQUENCE CHARACTERISTICS:
127 (A) LENGTH: 15 amino acids
128 (B) TYPE: amino acid
129 (D) TOPOLOGY: linear

131 (ii) MOLECULE TYPE: peptide

133 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
135 Ile Ser Glu Ile Lys Gly Val Ile Val His Lys Ile

E--> 136 1 5 ~~10~~ 10

137 Glu Gly Ile

138 15

same enon

156 (2) INFORMATION FOR SEQ ID NO: 8:

158 (i) SEQUENCE CHARACTERISTICS:
159 (A) LENGTH: 15 amino acids
160 (B) TYPE: amino acid
161 (D) TOPOLOGY: linear

163 (ii) MOLECULE TYPE: peptide

165 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
167 Leu Ser Glu Ile Lys Gly Val Ile Val His Lys

E--> 168 1 ~~5~~ 5 ~~10~~ 10

169 Leu Glu Gly Val

E--> 170 ~~15~~ 15

same

789 (2) INFORMATION FOR SEQ ID NO: 46:

791 (i) SEQUENCE CHARACTERISTICS:
792 (A) LENGTH: 45 amino acids
793 (B) TYPE: amino acid
794 (D) TOPOLOGY: linear

797 (ii) MOLECULE TYPE: peptide

799 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:
801 Thr Ala Lys Ser Lys Lys Phe Pro Ser Tyr Thr Ala

802 1 5 10

803 Thr Tyr Gln Phe Gly Gly Ile Thr Glu Ile Arg Thr

804 15 20

805 Val Ile Val Thr Arg Ile Glu Thr Ile Gly Gly Glu

806 25 30 35

807 His Trp Ser Tyr Gly Leu Arg Pro Gly

E--> 808 40

45 ← insert

1209 (2) INFORMATION FOR SEQ ID NO: 68

1211 (i) SEQUENCE CHARACTERISTICS:
1212 (A) LENGTH: 30 amino acids
1213 (B) TYPE: amino acid
1214 (D) TOPOLOGY: linear

1216 (ii) MOLECULE TYPE: peptide

1218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68

P.3

RAW SEQUENCE LISTING

DATE: 09/26/2002

PATENT APPLICATION: US/09/701,588A

TIME: 10:49:12

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

```

1220      Lys Lys Lys Val Arg Val Val Thr Lys Val Val Thr
1221      1          5          10
1222      Val Pro Ile Ser Val Asp Gly Gly Glu His Trp Ser
1223      15          20
1224      Tyr Gly Leu Arg Pro Gly
E--> 1225      25          30 ←
1681 (2) INFORMATION FOR SEQ ID NO: 94:
1683      (i) SEQUENCE CHARACTERISTICS:
1684          (A) LENGTH: 46 amino acids
1685          (B) TYPE: amino acid
1686          (D) TOPOLOGY: linear
1688      (ii) MOLECULE TYPE: peptide
1691      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94:
1693      Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
1694      1          5          10
1695      Arg Ile Glu Thr Ile Leu Phe Gly Gly Cys Gly Glu
1696      15          20
1697      Thr Tyr Gln Ser Arg Val Thr His Pro His Leu Pro
E--> 1698      25          30          35 35
1699      Arg Ala Leu Met Arg Ser Thr Thr Lys Cys
E--> 1700      40 40          45 45
1743 (2) INFORMATION FOR SEQ ID NO: 97:
1745      (i) SEQUENCE CHARACTERISTICS:
1746          (A) LENGTH: 42 amino acids
1747          (B) TYPE: amino acid
1748          (D) TOPOLOGY: linear
1750      (ii) MOLECULE TYPE: peptide
1752      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:
1754      Leu Ser Glu Ile Lys Gly Val Ile Val His Lys Leu
1755      1          5          10
1756      Glu Gly Val Gly Gly Cys Gly Glu Thr Tyr Gln Ser
1757      15          20
1758      Arg Val Thr His Pro His Leu Pro Arg Ala Leu Met
E--> 1759      25          30          35 35
1760      Arg Ser Thr Thr Lys Cys
E--> 1761      40 40
2297 (2) INFORMATION FOR SEQ ID NO: 126:
2299      (i) SEQUENCE CHARACTERISTICS:
2300          (A) LENGTH: 51 amino acids
2301          (B) TYPE: amino acid
2302          (D) TOPOLOGY: linear
2304      (ii) MOLECULE TYPE: peptide
2306      (ix) FEATURE:
2307          (A) NAME/KEY: Modified site
2308          (B) LOCATION: 22?
L--> 2309          (D) OTHER INFORMATION: /note="(e-N)Lys"?
2311      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 126:
2313      Ile Ser Ile Ser Glu Ile Lys Gly Val Ile Val His
2314      1          5          10

```

p.4

Ser is at location 22
do you mean
location 20?
(Xaa)

RAW SEQUENCE LISTING

DATE: 09/26/2002

PATENT APPLICATION: US/09/701,588A

TIME: 10:49:13

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

W--> 2315 Lys Ile Glu Gly Ile Leu Phe Xaa Glu Ser Val Glu
 2316 15 20
 2317 Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys
 2318 25 30 35
 2319 Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala
 E--> 2320 40 48
 2321 Thr Gly Asp 45
 2322 50

2324 (2) INFORMATION FOR SEQ ID NO: 127:

2326 (i) SEQUENCE CHARACTERISTICS:

2327 (A) LENGTH: 51 amino acids

2328 (B) TYPE: amino acid

2329 (D) TOPOLOGY: linear

2331 (ii) MOLECULE TYPE: peptide

2334 (ix) FEATURE:

2335 (A) NAME/KEY: Modified site

2336 (B) LOCATION: 22

C--> 2337 (D) OTHER INFORMATION: /note= "(e-N)Lys"

2339 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 127:

2341 Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr

2342 1 5 10

W--> 2343 Arg Ile Glu Thr Ile Leu Phe Xaa Glu Ser Val Glu

2344 15 20

2345 Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys

2346 25 30 35

2347 Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala

E--> 2348 40 48

2349 Thr Gly Asp 45

2350 50

2352 (2) INFORMATION FOR SEQ ID NO: 128:

2354 (i) SEQUENCE CHARACTERISTICS:

2355 (A) LENGTH: 51 amino acids

2356 (B) TYPE: amino acid

2357 (D) TOPOLOGY: linear

2359 (ii) MOLECULE TYPE: peptide

2361 (ix) FEATURE:

2362 (A) NAME/KEY: Modified site

2363 (B) LOCATION: 20

OK 2364 (D) OTHER INFORMATION: /note= "(e-N)Lys"

2366 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 128:

2368 Ile Ser Leu Thr Glu Ile Arg Thr Val Ile Val Thr

2369 1 5 10

W--> 2370 Arg Leu Glu Thr Val Leu Phe Xaa Glu Ser Val Glu

2371 15 20

2372 Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys

2373 25 30 35

2374 Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala

E--> 2375 40 48

2376 Thr Gly Asp 45

do you mean location
20?

RAW SEQUENCE LISTING

DATE: 09/26/2002

PATENT APPLICATION: US/09/701,588A

TIME: 10:49:13

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

```

2377          50
2379 (2) INFORMATION FOR SEQ ID NO: 129:
2381   (i) SEQUENCE CHARACTERISTICS:
2382       (A) LENGTH: 51 amino acids
2383       (B) TYPE: amino acid
2384       (D) TOPOLOGY: linear
2386   (ii) MOLECULE TYPE: peptide
2388   (ix) FEATURE:
2389       (A) NAME/KEY: Modified site
2390       (B) LOCATION: 20
C--> 2391       (D) OTHER INFORMATION: /note= "(e-N)Lys"
2393   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 129:
2395     Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
2396     1          5          10
2397     Arg Ile Glu Thr Val Ile Phe Xaa Glu Ser Val Glu
2398     15          20
2399     Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys
2400     25          30          35
2401     Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala
E--> 2402     40          45
2403     Thr Gly Asp
2404     50
2772 (2) INFORMATION FOR SEQ ID NO: 148:
2774   (i) SEQUENCE CHARACTERISTICS:
2775       (A) LENGTH: 52 amino acids
2776       (B) TYPE: amino acid
2777       (D) TOPOLOGY: linear
2779   (ii) MOLECULE TYPE: peptide
2782   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 148:
2784     Ile Ser Ile Ser Glu Ile Lys Gly Val Ile Val His
2785     1          5          10
2786     Lys Ile Glu Gly Ile Leu Phe Gly Gly Glu Ser Val
2787     15          20
2788     Glu Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg
E--> 2789     25          30          35
2790     Lys Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr
2791     40          45
2792     Ala Thr Gly Asp
2793     50
2795 (2) INFORMATION FOR SEQ ID NO: 149:
2797   (i) SEQUENCE CHARACTERISTICS:
2798       (A) LENGTH: 52 amino acids
2799       (B) TYPE: amino acid
2800       (D) TOPOLOGY: linear
2802   (ii) MOLECULE TYPE: peptide
2804   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 149:
2806     Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
2807     1          5          10
2808     Arg Ile Glu Thr Ile Leu Phe Gly Gly Glu Ser Val

```

RAW SEQUENCE LISTING

DATE: 09/26/2002

PATENT APPLICATION: US/09/701,588A

TIME: 10:49:13

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

```

2809          15          20
2810      Glu Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg
E--> 2811      25          30          35
2812      Lys Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr
2813          40          45
2814      Ala Thr Gly Asp
2815          50
2817 (2) INFORMATION FOR SEQ ID NO: 150:
2819      (i) SEQUENCE CHARACTERISTICS:
2820          (A) LENGTH: 50 amino acids
2821          (B) TYPE: amino acid
2822          (D) TOPOLOGY: linear
2824      (ii) MOLECULE TYPE: peptide
2827      (ix) FEATURE:
2828          (A) NAME/KEY: Modified site
2829          (B) LOCATION: 20
C--> 2830          (D) OTHER INFORMATION: /note= "(e-N)Lys"
2832      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 150:
2834      Ile Ser Leu Thr Glu Ile Arg Thr Val Ile Val Thr
2835      1          5          10
2836      Arg Leu Glu Thr Val Leu Phe Xaa Glu Ser Val Glu
2837      15          20
2838      Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys
2839      25          30          35
2840      Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala
E--> 2841      40          45
2842      Thr Gly          45
2843          50
2845 (2) INFORMATION FOR SEQ ID NO: 151:
2847      (i) SEQUENCE CHARACTERISTICS:
2848          (A) LENGTH: 50 amino acids
2849          (B) TYPE: amino acid
2850          (D) TOPOLOGY: linear
2852      (ii) MOLECULE TYPE: peptide
2854      (ix) FEATURE:
2855          (A) NAME/KEY: Modified site
2856          (B) LOCATION: 20
C--> 2857          (D) OTHER INFORMATION: /note= "(e-N)Lys"
2859      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 151:
2861      Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
2862      1          5          10
2863      Arg Ile Glu Thr Val Ile Phe Xaa Glu Ser Val Glu
2864      15          20
2865      Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys
2866      25          30          35
2867      Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala
E--> 2868      40          45
2869      Thr Gly          45
2870          50

```

see next page for more errors

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:151:

Ile Ser Ile Thr Glu Ile Arg Thr Val Ile Val Thr
1 5 10
Arg Ile Glu Thr Val Ile Phe Xaa Glu Ser Val Glu
15 20
Ile Asn Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys
25 30 35
Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala
40 45
Thr Gly
50

CLAIMS

We claim:

1. A T helper cell epitope selected from the group consisting of SEQ ID NOS: 6-22, 105, 123, 124, 31-35.

sample d) extraneous text at end of
Sequence Listing. Please delete all of
it. Do not insert claim information or
any information other than the Sequence
Listing.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/701,588A

DATE: 09/26/2002

TIME: 10:49:14

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
 L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
 L:82 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]
 L:97 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]
 L:106 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4
 L:113 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]
 L:136 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6
 L:168 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8
 M:332 Repeated in SeqNo=8
 L:808 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:46
 L:1225 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:68
 L:1417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
 L:1698 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:94
 M:332 Repeated in SeqNo=94
 L:1759 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:97
 M:332 Repeated in SeqNo=97
 L:2204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:12
 L:2222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:12
 L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:12
 L:2309 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:12
 L:2320 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:126
 L:2337 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:12
 L:2348 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:127
 L:2364 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:12
 L:2375 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:128
 L:2391 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:12
 L:2402 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:129
 L:2506 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:0
 L:2530 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:0
 L:2553 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:0
 L:2576 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:0
 L:2599 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0
 L:2622 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0
 L:2645 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0
 L:2668 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:2672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:0
 L:2691 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/701,588A

DATE: 09/26/2002

TIME: 10:49:14

Input Set : A:\PTO.txt

Output Set: N:\CRF4\09262002\I701588A.raw

L:2695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:0
L:2714 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0
L:2737 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:0
L:2760 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:0
L:2789 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:148
L:2811 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:149
L:2830 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:12
L:2841 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:150
L:2857 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:2863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:12
L:2868 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:151